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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Transketolase/TKT Picoband® Antibody (monoclonal, 3E5) HRP Conjugated

Catalog Number: M02197-HRP

About TKT

Transketolase is a thiamine-dependent enzyme that links the pentose phosphate pathway with the glycolytic pathway. The pentose phosphate pathway, which is active in most tissues, provides sugar phosphates for intermediary biosynthesis, especially nucleotide metabolism, and generates the biosynthetic reducing power for the cell in the form of NADPH. Transketolase is directly involved in the branch of the pathway that channels excess sugar phosphates to glycolysis, enabling the production of NADPH to be maintained under different metabolic conditions. NADPH is critical for maintaining cerebral glutathione, and thus it is likely that transketolase plays an important role in brain metabolism.

Overview

Product Name	Anti-Transketolase/TKT Picoband® Antibody (monoclonal, 3E5) HRP Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 3E5
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P29401

Technical Details

Immunogen	E.coli-derived human Transketolase/TKT recombinant protein (Position: M1-A116).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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For Research Use Only. Not for use in diagnostic procedures.